

IN THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) An electroluminescent display comprising a common substrate and an array of electroluminescent devices disposed on the common substrate, wherein each of said electroluminescent devices comprise an electroluminescent layer which is sandwiched between a first electrode and a second electrode, a color converting material which is capable of changing light emitted by the electroluminescent layer into light having a longer wavelength and a stack of $2n + 1$ transparent dielectric layers wherein $n = 0, 1, 2, 3, \dots$,

said transparent dielectric layers having a high refractive index of $n > 1.7$ or a low refractive index of $n \leq 1.7$,

said transparent dielectric layers having a high refractive index n being arranged in alternating manner with said transparent

dielectric layers having a low refractive index n,

said stack of $2n + 1$ transparent dielectric layers being arranged adjacent to one of the electrodes and including a dielectric transparent layer having a high refractive index n adjoining said electrode.

2. (Previously Presented) The electroluminescent display as claimed in claim 1, wherein said transparent dielectric layers having a refractive index $n > 1.7$ is selected from the group consisting of TiO_2 , ZnS and SnO_2 .

3. (Previously Presented) The electroluminescent display as claimed in claim 1, wherein said transparent dielectric layers having a refractive index $n \leq 1.7$ is selected from the group consisting of SiO_2 , MgF_2 and alumino silicates.

4. (Previously Presented) The electroluminescent display as claimed in claim 1, wherein said transparent dielectric layers having a high refractive index n is ZnS and said transparent dielectric layers having a low refractive index n is MgF_2 .

5. (Previously Presented) The electroluminescent display as claimed in claim 1, wherein said electroluminescent device is an active matrix device having a pixelated first electrode.

6. (Previously Presented) The electroluminescent display as claimed in claim 1, wherein a capping layer is placed adjacent to the second electrode and wherein the color converter material is embedded in or placed on top of the capping layer.

7. (Previously Presented) The electroluminescent display as claimed in one of the claims 1 to 6, wherein the color converting material is selected from the group consisting of $(\text{Ba}, \text{Sr})_2\text{SiO}_4:\text{Eu}$, $\text{SrGa}_2\text{S}_4:\text{Eu}$, $\text{CaS}:\text{Ce}$, $\text{Ba}_2\text{ZnS}_3:\text{Ce}, \text{K}$, Lumogen yellow ED206, $(\text{Sr}, \text{Ca})_2\text{SiO}_4:\text{Eu}$, $(\text{Y}, \text{Gd})_3(\text{Al}, \text{Ga})_5\text{O}_{12}:\text{Ce}$, $\text{Y}_3\text{Al}_5\text{O}_{12}:\text{Ce}$, Lumogen F orange 240, $\text{SrGa}_2\text{S}_4:\text{Pb}$, $\text{Sr}_2\text{Si}_5\text{N}_8:\text{Eu}$, $\text{SrS}:\text{Eu}$, Lumogen F red 300, $\text{Ba}_2\text{Si}_5\text{N}_8:\text{Eu}$, $\text{Ca}_2\text{Si}_5\text{N}_8:\text{Eu}$ $\text{CaSiN}_2:\text{Eu}$ and $\text{CaS}:\text{Eu}$.

8. (Currently Amended) An electroluminescent device comprising an electroluminescent layer which is sandwiched between a first

electrode and a second electrode, a color converting material which is capable of changing light emitted by the electroluminescent layer into light having a longer wavelength and a stack of $2n + 1$ transparent dielectric layers wherein $n = 0, 1, 2, 3, \dots$,

said transparent dielectric layers having a high refractive index of $n > 1.7$ or a low refractive index of $n \leq 1.7$,

said transparent dielectric layers having a high refractive index n being arranged in alternating manner with said transparent dielectric layers having a low refractive index n ,

said stack of $2n+ 1$ transparent dielectric layers being arranged adjacent to one of the electrodes and including a dielectric transparent layer having a high refractive index n adjoining said electrode.

9. (Previously Presented) The electroluminescent display of claim 1, wherein the color converting material is configured to convert blue light to at least one of red and green light.

10. (Previously Presented) The electroluminescent display of claim 10, wherein the blue light passes though the

electroluminescent device substantially without loss.

11. (Previously Presented) The electroluminescent display of claim 1, wherein the color converting material is configured to convert blue light to red light for a first sub-pixel, and to convert the blue light to green light for a second sub-pixel, and wherein the blue light passes though the electroluminescent device substantially without loss for a third sub-pixel.

12. (Previously Presented) The electroluminescent device of claim 8, wherein the color converting material is configured to convert blue light to at least one of red and green light.

13. (Previously Presented) The electroluminescent device of claim 12, wherein the blue light passes though the electroluminescent device substantially without loss.

14. (Previously Presented) The electroluminescent device of claim 8, wherein the color converting material is configured to convert blue light to red light for a first sub-pixel, and to

convert the blue light to green light for a second sub-pixel, and wherein the blue light passes though the electroluminescent device substantially without loss for a third sub-pixel.

15. (Currently Amended) An electroluminescent device comprising:

an electroluminescent layer is sandwiched between a first electrode and a second electrode; and

a stack of $2n + 1$ transparent dielectric layers formed on the second electrode on an exit side of the electroluminescent device where a light emitted by the electroluminescent layer exits, wherein $n = 0, 1, 2, 3, \dots$;

said transparent dielectric layers having layers of a high refractive index $n > 1.7$ arranged in alternating manner with layers having a low refractive index $n \leq 1.7$;

wherein said stack includes a dielectric transparent layer having a high refractive index n adjoining the second electrode.

16. (Previously Presented) The electroluminescent device of claim 15, further comprising a color converting material which is

capable of changing the light emitted by the electroluminescent layer into a light having a different wavelength.

17. (Previously Presented) The electroluminescent display of claim 15, wherein the layers of the high refractive index $n > 1.7$ is selected from the group consisting of TiO_2 , ZnS and SnO_2 .

18. (Previously Presented) The electroluminescent display of claim 15, wherein the layers of the low refractive index $n \leq 1.7$ is selected from the group consisting of SiO_2 , MgF_2 and alumino silicates.

19. (Previously Presented) The electroluminescent display of claim 15, wherein the layers of the high refractive index n comprise ZnS , and the layers of the low refractive index n comprise MgF_2 .

20. (Previously Presented) The electroluminescent display of claim 15, further comprising:

a color converting material which is capable of changing the

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light emitted by the electroluminescent layer into a light having a different wavelength; and

a capping layer placed adjacent to the second electrode;
wherein the color converter material is embedded in or placed
on top of the capping layer.